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|-----------------|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 09/408,578 | 04/29/1999 | ARNE HOLM | P63882US0 | 4214 |

7590

04/05/2002

JACOBSON PRICE HOLMAN & STERN
D DOUGLAS PRICE
400 SEVENTH STREET NW
WASHINGTON, DC 200042201

**SEQUENCE
LISTING**

JACOBSON HOLMAN PLLC

Response Due On Or Before

5 / 5 / 02
Month Day Year

| | |
|-------------------|--------------|
| EXAMINER | |
| FRIEND, TOMAS H F | |
| ART UNIT | PAPER NUMBER |
| 1627 | |

DATE MAILED: 04/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

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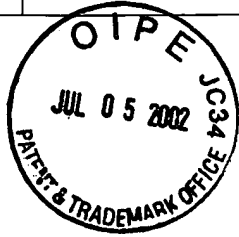


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| APPLICATION NO./ CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR / PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
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EXAMINER

ART UNIT

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Applicant's Raw Sequence Listing and CRF submitted on 1/3/02 has been received but the application is not in conformance with the sequence rules for the following reasons:

The claims and specification have not been amended to include SEQ. ID. Nos. See, for example, claims 63 and 65.

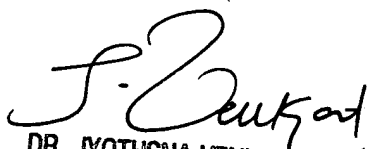
Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CAR1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CAR1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CAR1.136(a).

Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the reply.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Friend, tel. (703) 308-4548. The examiner can normally be reached on Monday, Tuesday, Friday, and Saturday from 8:00 AM-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jyothsna Venkat, can be reached at (703) 308-2439. The FAX phone number for group 1600 is (703) 872-9306. Any inquiry of a general nature or relating to the status of the application should be directed to the group receptionist whose telephone number is (703) 308-1235.

Tomas Friend, Ph.D.
02 April 2002


DR. JYOTHSNA VENKAT PH.D.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600



NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: The claims and specification do not refer to sequences by SEQ.ID. Nos.

Applicant Must Provide:

- ☐ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☐ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☐ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

Rules Interpretation, call (703) 308-4216
CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support
Technical Assistance.....703-287-0200
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